



REMR MATERIAL DATA SHEET CM-SE-1.17

CONCRETE SEALER: RADCON #7 (Supersedes previously issued CM-SE-1.17)

1. NAME

Radcon #7

- Protect from freeze and thaw damage.

Limitations: Do not apply during rain or to wet surface, or if temperature is below 40° F.

2. MANUFACTURER

Radcon Industries, Inc.
PO Box 15540
Las Vegas, NV 89114
Telephone: (702) 648-8486

Do not apply to glass tile. Etching will result.

3. DESCRIPTION

Proprietary.

5. MANUFACTURER'S TECHNICAL DATA

Surface preparation: All areas to be sealed with Radcon #7 shall be cleaned, and stains shall be removed prior to application if surface stain removal is desired. Remove all pooled or standing water.

4. USES & LIMITATIONS

Uses: Radcon #7 can be used to:

- Cure new concrete with uniformity and also markedly reduce spot drying, hair checking, and dusting.
- Waterproof walls and basements, preventing water absorption that can cause interior damage.
- Eliminate efflorescence.
- Prevent pitting and rutting of concrete slabs.
- Prevent hairline cracking.
- Prevent penetration of water, acids, grease, and oils.
- Stop and prevent spalling and dusting.
- Stop capillarity.

Application:

Horizontal surface: Radcon #7 may be sprayed or flushed on horizontal surfaces or may be spread over surface with a brush, squeegee, mop, or wool roller. All of the surface should be covered with solution. Radcon #7 must be applied to a dry surface. Coverage is approximately 200 sq ft/gal.

Vertical surface: Radcon #7 should be sprayed on vertical surfaces with low pressure or gun spray for deep, rapid penetration--20 to 30 lb pressure. Coverage is approximately 200 sq ft/gal.

New concrete: Radcon #7 should be applied to the surface as soon as the concrete is set or as soon as the forms are removed. The surface should be thoroughly saturated with Radcon #7.

6. CORPS OF ENGINEERS' EVALUATION

Physical and mechanical properties:

Percent solid
(ASTM D 1644, Method A): 32.8%

Percent water absorption (ambient
temperature) (ASTM C 642):

| | |
|--------|-------|
| 1 day | 4.60% |
| 2 days | 4.62% |
| 4 days | 4.67% |
| 7 days | 4.70% |

Ratio of percent water absorption for
treated to nontreated specimen (2-day
submersion): 97.9%

Percent water transmission:

| | |
|--------|-------|
| 2 days | 2.56% |
| 4 days | 2.98% |
| 7 days | 3.27% |

Ratio of percent water transmission
for treated to nontreated specimen
(7-day diffusion): 92.6%

7. ENVIRONMENTAL CONSIDERATIONS

Reasonable caution should guide the preparation, repair, and cleanup phases of sealant activities involving potentially hazardous and toxic chemical substances. Manufacturer's recommendations to protect occupational health and environmental quality should be carefully followed. Material safety data sheets should be obtained from the manufacturers of such materials. In cases where the effects of a chemical substance on occupational health or environmental quality are unknown, chemical substances should be treated as potentially hazardous toxic materials.

8. AVAILABILITY & COST

Information concerning the availability and cost of Radcon #7 can be obtained by writing the manufacturer

at the address given in item 2 or calling (702) 648-8486.

9. TECHNICAL SERVICES

Information concerning technical services can be obtained by writing the manufacturer at the address given in item 2 or calling (702) 648-8486.